PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY	I	OCT.	
То:	7	- 01	
ABLETT & STEBBING	NOTIFICATION	OF TRANSMITTAL OF	
Attn. Suer, Steven Johannes	THE INTERNATION	AL SEARCH REPORT AND	
Caparo House	SEARCHING ALTHOR	ON OF THE INTERNATIONAL ITY, OR THE DECLARATION	
101-103 Baker Street	SEATORING AO FROM	TIT, OH THE DECLARATION	
London W1U 6FQ			
UNITED KINGDOM	1	• • •	
·]		
}	(P	CT Rule 44.1)	
	Date of mailing		
	(day/month/year) 15/11/2004		
Applicant's or agent's file reference			
P184	FOR FURTHER ACTION	See paragraphs 1 and 4 below	
International application No.	International filing date		
PCT/GB2004/002659	(day/month/mont)	~ / a a a .	
Applicant	21/0	6/2004	
, where it	•		
ABERDEEN UNIVERSITY			
1. X The applicant is hereby notified that the international search			
The applicant is hereby notified that the international search Authority have been established and are transmitted herever.	ch report and the written opinion of t	he International Searching	
Filing of amendments and etatement under 4-44-40.		·	
i no applicant is entitled, if he so wishes, to amend the clair	ms of the International Application (596 Rule 461-	
The manufacture of the property of the propert	mails 2 mantha team the data at sever		
morning Constitutions, nowever, for more	e details, see the notes on the accor	mpanying sheet.	
Where? Directly to the International Bureau of WIPO, 3 1211 Geneva 20, Switzerland, F	4 chemin des Colombettes		
For more detailed instructions, see the notes on the acco	ascinile No.: (41-22) 740.14.35 Omnanving sheet		
2. The applicant is hereby notified that no international accord		j	
2. The applicant is hereby notified that no international search Article 17(2)(a) to that effect and the written opinion of the i	n report will be established and that ntemational Searching Authority an	the declaration under	
3. With regard to the protect against payment of (an) addition	Onal fee(s) under Rule 40.2 the enr	disent is notified that	
the protest together with the decision thereon has bee applicant's request to forward the texts of both the pro	en transmitted to the International Builtest and the decision themes to the	reau together with the	
no decision has been made yet on the protest; the ap	Dicant will be notified as soon as a	designated Offices.	
Reminders			
		ŀ	
Shortly after the expiration of 18 months from the priority date, the international application will be published by the international Bureau. If the applicant wishes to avoid or postpone publication, a application will be published by the application, or of the priority claim, must reach the international Bureau as expelication.			
application, or of the priority claim, must reach the international Bureau as provided in Rules 90 <i>bis.</i> 1 and 90 <i>bis.</i> 3, respectively, before the completion of the technical preparations for international publication.			
Propulation for international publication :			
The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or to be a copy of such comments to all designated Offices unless an			
international preliminary examination report has been or is to be e the public but not before the expiration of 30 months from the prior	stablished. These comments would	also be made available to	
The pilot of the p	ity date.		
Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filled if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must be set to be applicant with the control of the priority date.			
date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority acts for entry into the national phase before those designated Offices.			
Prince and a condition of the	VG0. '		
In respect of other designated Offices, the time limit of 30 months months.	(or latter) will apply even if no dem	and is filed within 19	
See the Annex to Form PCT/IR/301 and for details about the annex	Sankin November 19 Communication	·	
See the Annex to Form PCT/IB/301 and, for details about the appl Guide, Volume II, National Chapters and the WIPO Internet site.	icable time timits, Office by Office, s	ee the PCT Applicant's	
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me and mailing address of the letterational Court			
me and mailing address of the International Searching Authority European Patent Office, P.B. 5818 Patentiaan 2	Authorized officer		
ANN NL-2280 MV Hilswilk	Sandrine Polenzar	,,	
Tel. (+31-70) 340-2040, Tx. 31 651 epo nt, Fax: (+31-70) 340-3016	FOTCHE		
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NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT; the PCT Regulations and the PCT Administrative Instructions respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international phylication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the international Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the international Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 45.2).

Where a demand for international preliminary examination has been a filed, see below.

How? :

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The latter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the latter must be in English; if the language of the international application is French, the latter must be in French.

Notes to Form PCT/ISA/220 (first sheet) (January 1994)

NOTES TO FORM PCT/ISA/220 (continued)

The latter must indicate the differences between the claims as filed and the claims as amended, it must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled:
- (iii) the claim is new:
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- [Where originally there were 48 claims and after amendment of:some claims there are 51]:
 "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]:
 "Claims 1 to 15 replaced by amended claims 1 to 11."
- (Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims):

 "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added; or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."

"Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the ideacription and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

it must be in the language in which the international appplication is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the latter indicating the differences between the claims as filled and as amended. It must be filled on a separate sheet and must be identified as such by a treading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.

Notes to Form PCT/ISA/220 (second sheet) (January 1994)

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file i	eference	FOR FURTHER	
P184		ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application N	o. Inter	mational filing date (day/mont	th/year) (Earliest) Priority Daté (day/month/year)
CT/GB2004/00265	9	21/06/2004	19/06/2003
pplicant			
			·
BERDEEN UNIVERS	ITY		
This international Search according to Article 18. A	Report has been prepared to being transmitted	ared by this international Seal ted to the international Bureau	rching Authority and is transmitted to the applicant
This international Search	Report consists of a to	otal of <u>04</u> she	pets.
-		of each prior art document of	· · · · · · · · · · · · · · · · · · ·
t Basis at the second	·		See section of the se
 Basis of the report a. With regard to the 	language, the interna	tional search was carried out	on the basis of the international application in the
language in which	It was filed, unless oth	nerwise indicated under this its	on the basis of the international application in the em.
ı 🔲 👖	e international search	was carried out on the basis	of a translation of the international application furnished to
	is Admonty (Huse 23.1)	(D)).	
o. [_] With regar	d to any nucleotide ar	nd/or amino acid sequence	disclosed in the international application, see Box No. I.
X Certain ci	nims were found uns	earchable (See Box II).	
Unity of in	evention is lacking (86	e Box III).	
With regard to the title	•		
X the text is a	approved as submitted	by the applicant.	
the text has	s been established by t	this Authority to read as follow	rs:
With record to the sheet	mot		
_		hu tha annlicant	
X the text is a the text has	pproved as submitted i	cording to Rule 38.2(b), by this	3 Authority as it annears in Boy No. IV. The applicant
X the text is a the text has	pproved as submitted i	cording to Rule 38.2(b), by this	s Authority as it appears in Box No. IV. The applicant nai search report, submit comments to this Authority.
IX the text is a the text has may, within	pproved as submitted I been established, acc one month from the da	cording to Rule 38.2(b), by this	s Authority as it appears in Box No. IV. The applicant nal search report, submit comments to this Authority.
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Form PCT/ISA/210 (first sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

International Application No PCT/GB2004/002659

			PC1/602004	1/ 002033
A CLAS	SIFICATION OF SUBJECT MATTER A61K31/4425 A61K35/56			
According	to International Patent Classification (IPC) or to both national clas-	ssification and IPC		•
	S SEARCHED			
IPC 7				
Electronic o	ation searched other than minimum documentation to the extent to data base consulted during the international search (name of data atternal), WPI Data, PAJ, BIOSIS, EM	a base and, where practical,	search terms used)	
0.000184				
	ENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where appropriate, of the	e relevant passages		Relevant to claim No. :
P, X	MCCLELLAND D ET AL: "Irreversing reversible pore formation by possible pore formation of poly-APS sponge Reniera sarai" BRITISH JOURNAL OF PHARMACOLOGY UNITED KINGDOM, vol. 139, no. 8, 2003, pages 13 XP002301207 ISSN: 0007-1188 the whole document	olymeric 5) from the 2003		1-29
		-/		
χ Furthe	or documents are listed in the continuation of box C.	Patent family me	embers are listed in a	innex.
Special cate	gories of cited documents :			
A' documen conside	cial categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to be of particular relevance considered to be of particular relevance invention.		e application but y underlying the	
nang can L' document which is	artier document but published on or after the International """ """ """ """ """ """ """			
citation of document	citation or other special reason (as specified) document of particular relevance; the claimed invention cannot be considered to involve an invention to an oral disclosure, use, exhibition or other means "Y" document of particular relevance; the claimed invention cannot be considered to involve an invention step when the document is combined with one or more other such documents, such combination being obvious to a person skilled			tive step when the other such docu-
P document later that	t published prior to the international filing date but in the priority date ctaimed	in the art. : *&* document member of	•	
ate of the ac	tual completion of the international search	Date of mailing of the	international search	report
	October 2004	15/11/200	04	
lame and ma	iling address of the ISA European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk	Authorized officer	,	i.
	Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax: (+31-70) 340-3016	Friederic	ch, M	·

INTERNATIONAL SEARCH REPORT

International Application No PCT/GB2004/002659

		PC1/6820	04/002659
	ation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category •	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
P,X	TUCKER S J ET AL: "The influence of alkyl pyridinium sponge toxins on membrane properties, cytotoxicity; transfection and protein expression in mammalian cells" BIOCHIMICA ET BIOPHYSICA ACTA — BIOMEMBRANES 07 AUG 2003 NETHERLANDS, vol. 1614, no. 2, 7 August 2003 (2003-08-07), pages 171-181, XP004442523 ISSN: 0005-2736 the whole document	A.	1-29
Y	SCOTT R H ET AL: "Analysis of the structure and electrophysiological actions of halitoxins: 1,3 alkyl-pyridinium salts from Callyspongia ridleyi"		1-29
	JOURNAL OF MEMBRANE BIOLOGY 2000 UNITED STATES, vol. 176, no. 2, 2000, pages 119-131, XP002301208 ISSN: 0022-2631 cited in the application abstract; figures	·	
	VAN DER WOUDE I ET AL: "Novel pyridinium surfactants for efficient, nontoxic in vitro gene delivery" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA 1997 UNITED STATES, vol. 94, no. 4, 1997, pages 1160-1165, XP002179111 ISSN: 0027-8424 abstract		1-29
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INTERNATIONAL SEARCH REPORT

International application No. PCT/GB2004/002659

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Ctaims Nos.:
Although claims 1-11 and 21-29 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is tacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
As all required additional search fees were timely paid by the applicant, this international Search Report covers all searchable claims.
2.— As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international Search Report covers only those claims for which fees were paid, specifically claims Nos.:
No required additional search fees were timely paid by the applicant. Consequently, this international Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.